WHAT IS CLAIMED IS: A compound having a formula:  $Xaa_0$ - $Xaa_1$ - $Xaa_2$ - $Xaa_3$ - $Xaa_4$ - $Xaa_5$ - $Xaa_6$ - $Xaa_7$ - $Xaa_8$ - $Xaa_9$ - $Xaa_{10}$ or a pharmaceutically acceptable salt thereof, wherein at least one amide bond of an amino acid residue represented by Xaa3, Xaa4, Xaa5, Xaa<sub>6</sub>, Xaa<sub>7</sub>, Xaa<sub>8</sub>, Xaa<sub>9</sub>,\and Xaa<sub>10</sub> is N-alkylated; 10 Xaa<sub>1</sub> is absent or Xaa<sub>1</sub> is selected from the group consisting of hydrogen, Nmethylprolyl, and an acyl group, wherein the acyl group is selected from the group consisting of  $R^{1}$ -(CH<sub>2</sub>)<sub>n</sub>-C(O)-, wherein n is an integer from 0 to 8 and  $R^{1}$  is selected from the group consisting of N-acetylamino, alkoxy, alkyl, aryl, carboxy, 15 cycloalkenyl, cycloalkyl, heterocycle, and hydroxy; and  $R^2$ -CH<sub>2</sub>CH<sub>2</sub>O-(CH<sub>2</sub>CH<sub>2</sub>Q)<sub>p</sub>-CH<sub>2</sub>-C(O)-, wherein p is an integer from 1 to 8 and R2 is selected from the group consisting of hydrogen, N-acetylamino, and alkyl: provided that Xaa<sub>1</sub> is absent only when Xaa<sub>2</sub> is N-(R<sup>3</sup>)-prolyl; 20 Xaa<sub>2</sub> is an N-alkylated amino acid selected from the group consisting of N-(R<sup>3</sup>)alanyl, N-(R<sup>3</sup>)-glycyl, N-(R<sup>3</sup>)-norvalyl, and N-(R<sup>3</sup>)-prolyl, wherein R<sup>3</sup> is C<sub>1</sub>-C<sub>5</sub>alkyl; or Xaa2 is an N-unalkylated amino acid selected from the group consisting of 25 β-alanyl, D-alanyl, 4-aminobutyryl, (1R,3S)-1-aminocyclopentane-3-carbonyl, (1S,3R)-1-aminocyclopentane-3-carbohyl, (1R,4S)-1-aminocyclopent-2-ene-4-carbonyl, 30 (1S,4R)-1-aminocyclopent-2-ene-4-carbonyl, asparaginyl, 3-(4-chlorophenyl)alanyl, 3-(4-cyanophenyl)alanyl, glutaminyl, 35

glutamyl,

```
glycyl,
                        4-hydroxyprolyl,
                        3-(4-methylphenyl)alanyl,
40
                        prolyl,
                        seryl, and
                        threonyl;
               Xaa<sub>3</sub> is an N-alkylated amino acid selected from the group consisting of N-(R<sup>3</sup>)-
               alanyl, N-(R^3)-glycyl, N-(R^3)-leucyl, and N-(R^3)-phenylalanyl, wherein R^3 is as
45
               defined above; or Xaa3 is an N-unalkylated amino acid selected from the group
               consisting of
                        alanyl,
                        (1S,3R)-1-aminocyclopentane-3-carbonyl,
                        (1S,4R)-1-aminocyclopent-2-ene-4-carbonyl,
50
                        asparaginyl
                        aspartyl,
                        3-(3-cyanophenyl)alanyl,
                        3-(4-cyanophenyl)alanyl,
                        glutaminyl,
55
                        glycyl,
                        leucyl,
                        lysyl(N-epsilon-acetyl),
                        3-(4-methylphenyl)alanyl,
60
                        norvalyl,
                        prolyl, and
                        phenylalanyl;
               Xaa<sub>4</sub> is an N-alkylated amino acid selected from the group consisting of N-(R<sup>3</sup>)-
               alanyl, N-(R<sup>3</sup>)-glycyl, N-(R<sup>3</sup>)-homophenylalanyl, N-(R<sup>3</sup>)-isoleucyl, N-(R<sup>3</sup>)-leucyl,
65
               N-(R<sup>3</sup>)-norvalyl, N-(R<sup>3</sup>)-phenylalanyl, N-(R<sup>3</sup>)-D-phenylalanyl, N-(R<sup>3</sup>)-seryl, N-
               (R<sup>3</sup>)-tyrosyl, N-(R<sup>3</sup>)-valyl, and N-(R<sup>3</sup>)-D-valyl, wherein R<sup>3</sup> is as defined above; or
               Xaa4 is an N-unalkylated amino acid selected from the group consisting of
                        alanyl,
70
                        alloisoleucyl,
                        allylglycyl,
                        2-aminobutyryl,
```

```
(1R,4S)-aminocyclopent-2-ene-4-carbonyl,
                         asparaginyl,
                         aspartyl,
    75
                         3-[2-(5-bromothienyl)]alanyl,
                         3-(3-chlorophenyl)alanyl,
                         3-(4-chlorophenyl)alanyl,
                         3-(3-cyanophenyl)alanyl,
                         cyclohexylalanyl,
    80
                         3-(3,4-dimethoxyphenyl)alanyl,
                         3-(3-fluorophenyl)alanyl,
                         3-(4-fluorophenyl)alanyl,
                         glutaminyl,
    85
                         glycyl,
                         histidyl,
                         homophenylalanyl,
                         homoseryl,
                         isoleucyl,
                         leucyl,
    90
                         lysyl(N-epsilon-acetyl),
edb
                         methionyl,
                         methionyl(sulfone),
                         3-(4-methylphenyl)alanyl,
                         3-(naphth-1/yl)alanyl,
    95
                         3-(naphth-2/-yl)alanyl,
                         norornithy
                         norvalyl,
                         phenyalanyl,
                         phenylglycyl,
   100
                         prolyl,
                         3-(3-pyridyl)alanyl,
                         3-(4-thiazolyl)alanyl,
                         3-(2-thienyl)alanyl,
                         seryl,
   105
                         seryl(b-benzyl),
                         styry alanyl,
                         tryptyl,
```

	110	tyrosyl, valyl and
	110	D-valyl;
		D-valyt,
		Xaa <sub>5</sub> is an N-alkylated amino acid selected from the group consisting of N-(R <sup>3</sup> )-D-
		homophenylalanyl, N-(R <sup>3</sup> )-D-isoleucyl, N-(R <sup>3</sup> )-D-leucyl, and N-(R <sup>3</sup> )-D-
	115	phenylalanyl, wherein R <sup>3</sup> is as defined above; or Xaa <sub>5</sub> is an N-unalkylated amino
		acid selected from the group consisting of
		D-alanyl,
		alloisoletcyl,
		D-alloisoleucyl,
The Tare and Tare III At I'M A III	120	D-2-aminbutyryl,
		D-3-(4-aminophenyl)alanyl,
		D-asparaginyl,
		D-3-(3-benzothienyl)alanyl,
u	405	D-t-butylglycyl,
	125	D-(chlorophenyl)alanyl,
3.1		D-citrullyl,
		D-3-(3-cyanophenyl)alanyl,
ليرا		D-cyclohexylalanyl, cyclohexylglycyl,
	120	D-cysteinyl(S-acetamidomethyl),
es.	130	D-cysteinyl(S-t-butyl),
		D-3-(3,4-difluorophenyl)alanyl,
		D-(3,4-dimethoxyphenyl)alanyl,
		D-glutaminyl,
	135	glycyl,
	100	D-homophenylalanyl,
		D-homoseryl,
		isoleucyl,
		D-isoleucyl,
	140	D-leucyl,
		D-lysyl(N-epsilon-nicotinyl),
		D-lysyl,
		D-methionyl,
		D-3-(4-methylphenyl)alanyl,
		= = (

```
D-3-(naphth-1-yl)alanyl,
   145
                          D-3-(naphth-2-yl)alanyl,
                          D-3-(4-nitrophenyl)alanyl,
                          D-norleucyl,
                          D-ornithyl,
                          D-penicillaminyl(S-4cetamidomethyl),
   150
                          D-penicillaminyl(S-benzyl),
                          D-penicillaminyl(S-methyl),
                          D-penicillaminyl,
                          D-3-(pentafluorophenyl)alanyl,
                         D-phenylalanyl,
   155
                          D-prolyl,
                          D-seryl(O-benzyl),
D-seryl,
                          D-(2-thienyl)alanyl,
                          D-threonyl(O-benzyl),
   160
                          D-threonyl,
                          D-3-(3-trifluoromethylphenyl)alanyl,
D-(3,4,5-trifluorophenyl)alanyl,
D-tryptyl,
   165
                          D-tyrosyl(O-ethyl),
                          D-tyrosyl, and
                          D-valyl;
                  Xaa<sub>6</sub> is an N-alkylated amino acid selected from the group consisting of N-(R<sup>3</sup>)-
                  aspartyl, N-(R^3)-glutamyl, N-(R^3)-glycyl, N-(R^3)-seryl, N-(R^3)-threonyl, N-(R^3)-
   170
                  threonyl(O-benzyl), and N-(R<sup>3</sup>)-tyrosyl, wherein R<sup>3</sup> is as defined above; or Xaa<sub>6</sub> is
                  an N-unalkylated amino acid selected from the group consisting of
                          alanyl,
                          allothreonyl,
                          D-allothreonyl,
   175
                          allylglycyl,
                          asparaginyl,
                          aspartyl,
                          glutaminyl,
   180
                          glycyl,
```

```
histidyl,
                             homoseryl
                             D-homoseryl,
                             3-(4-hydroxymethylphenyl)alanyl,
                             isoleucyl,
    185
                             lysyl(N-epsilon-acetyl),
                             methionyl,
                             3-(naphth-2-yl)alanyl,
                             norvalyl,
                             octylglycyl
    190
                             prolyl,
                             3-(3-pyridyl)alanyl,
seryl,
                             D-seryl,
                             threonyl,
    195
                             D-threonyl,
                             tryptyl,
                             tyrosyl, and
i i
                             tyrosyl(O-methyl);
200
                    Xaa<sub>7</sub> is an N-alkylated amino acid selected from the group consisting of N-(R<sup>3</sup>)-
                     alanyl, N-(R<sup>3</sup>)-glykyl, N-(R<sup>3</sup>)-isoleucyl, N-(R<sup>3</sup>)-leucyl, N-(R<sup>3</sup>)-D-leucyl, N-(R<sup>3</sup>)-
                    norleucyl, N-(R<sup>3</sup>)-norvalyl, N-(R<sup>3</sup>)-seryl, N-(R<sup>3</sup>)-threonyl, and N-(R<sup>3</sup>)-valyl,
                     wherein R<sup>3</sup> is as defined above; or Xaa<sub>7</sub> is an N-unalkylated amino acid selected
                    from the group consisting of
    205
                              alanyl,
                              allothreonyl,
                              allylglycyl,
                              3-(4-amidophenyl)alanyl,
                              2-aminobutyryl,
    210
                              arginyl,
                              asparaginyl,
                             cyclohekylalanyl,
                              glutaminyl,
                             D-glutaminyl,
    215
                              glycyl,
```

```
homoalanyl,
                           homoseryl
                           4-hydroxyprolyl,
    220
                           leucyl,
                           D-leucyl,
                           lysyl(N-epsilon-acetyl),
                           methionyl sulfone,
                           methionyl sulfoxide,
    225
                           methionyl,
                           norleucyl,
                           norvalyl,
                           D-norvalyl
                           octylglycyl
ornithyl(N-delta-acetyl),
   230
                           phenylalanyl,
                           propargylglycyl,
                          seryl,
                          D-seryl,
н
   235
                          threonyl,
tryptyl,
                          tyrosyl, and
                           valyl;
                  Xaa<sub>8</sub> is an N-alkylated amino acid selected from the group consisting of N-(R<sup>3</sup>)-
   240
                  alanyl, N-(R3)-D-alanyl, N-(R3)-isoleucyl, and N-(R3)-leucyl, wherein R3 is as
                  defined above; or Kaa<sub>8</sub> is an N-unalkylated amino acid selected from the group
                  consisting of
                          alanyl,
   245
                          alloisoleucyl,
                          D-alloisoleucyl,
                          allylglycyl,
                          citrullyl
                          glycyl,
   250
                          isoleudyl,
                          D-isoleucyl,
                          leucy
```

```
lysyl(N-epsildn-acetyl),
                             D-lysyl(N-epsilon-acetyl),
    255
                             methionyl,
                              3-(naphth-1-yl)alanyl,
                             norvalyl,
                             prolyl,
                             D-prolyl, and
    260
                              valyl;
                    Xaa<sub>9</sub> is the N-alkylated amino acid N-(R<sup>3</sup>)-arginyl, wherein R<sup>3</sup> is as defined above;
                     or Xaao is an N-unalkylated amino acid selected from the group consisting of
                              [(4-amino-N-|sopropyl)cyclohexyl]alanyl,
    265
The first first first first first first
                              3-(4-amino-N-isopropylphenyl)alanyl,
                              arginyl(N<sup>G</sup>N<sup>G</sup>diethyl),
                              arginyl,
                              D-arginyl,
    270
                              citrullyl,
glutaminyl,
                              3-(4-guanidinophenyl)alanyl,
                              histidyl,
                              homoarginyl,
                              lysyl(N-epsilon-isopropyl),
    275
                              lysyl(N-epsilon-nicotinyl),
                              lysyl,
                              norarginy
                              ornithyl,
                              ornithyl[N-delta-(2-imidazolinyl)],
    280
                              ornithyl(N-delta-isopropyl), and
                              3-(3-pyridyl)alanyl;
                     Xaa<sub>10</sub> is an N-alkylated amino acid selected from the group consisting of N-(R<sup>3</sup>)-
                     alanyl, N-(R<sup>3</sup>)-D-alanyl, N-(R<sup>3</sup>)-glycyl, N-(R<sup>3</sup>)-homoalanyl, and N-(R<sup>3</sup>)-norvalyl,
    285
                     wherein R<sup>3</sup> is as defined above; or Xaa<sub>10</sub> is an N-unalkylated amino acid selected
                     from the group consisting of
                              D-alanyl,
```

D-leucyl,

	2-aminobutyryl,
290	D-2-aminobutyryl,
290	2-aminoisobutyryl,
	3,4-dehydroprolyl,
	4-hydroxyprolyl,
•	phenylalanyl,
205	prolyl,
295	D-prolyl,
	1,2,3,4-tetrahydroisoquinoline-3-carbonyl, and
	D-valyl; and
	D-vatyl, and
300	Xaa <sub>11</sub> is a hydroxy group or an amino acid amide selected from the group
•	consisting of:
	alanylamide,
E E E E	D-alanylamide,
	alanylethylamide,
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	D-alanylethylamide,
143	azaglycylamide,
reit:	glycylamide,
ter.	glycylethylamide,
i.i.	lysyl(N-epsilon-acetyl),
⊒ 310	D-lysyl(N-epsilon-acetyl),
TOTAL SECTION AND ADDRESS OF THE PARTY OF TH	N-methyl-D-alanylamide,
	sarcosylamide,
	serylamide,
	D-serylamide,
315	a residue represented by the formula
	$\begin{array}{c} R^4 \\ -NH-(CH_2)_s-CHR^5 \end{array}$ , and
	$\sqrt{-NH-(CH_2)_s-CHR^3}$ , and
	a group represented by the formula -NH-R <sup>6</sup> ; wherein
	s is an integer from 0 to 8;
	R <sup>4</sup> is selected from the group consisting of hydrogen, alkyl, and a 5-
320	to 6-membered cycloalkyl ring;
-	R <sup>5</sup> is selected from the group consisting of hydrogen, alkoxy, alkyl,
	aryl, cycloalkenyl, cycloalkyl, heterocycle, and hydroxy;
	provided that s is not zero when R <sup>5</sup> is hydroxy or alkoxy; and

15

20

5

5

2. A compound according to Claim 1, wherein Xaa<sub>1</sub> is absent or is selected from the group consisting of

hydrogen,

acetyl,

N-acetyl-β-alanyl,

butyryl,

(4-N-acetylamino)butyryl,

(6-N-acetylamino)caproyl,

(8-N-acetylamino)-3,6-dioxo-octanoyl,

10 caproyl,

chloronicotinyl,

cyclohexylacetyl,

furoyl,

2-methoxyacetyl,

2-methylnicotinyl,

N-methylprolyl,

nicotinyl,

phenylacetyl,

propionyl,

shikimyl,

succinyl, and

tetrahydrofuroyl.

3. A compound according to Claim 2, wherein Xaa<sub>1</sub> is absent or is selected from the group consisting of

acetyl,

N-methylprolyl, and

succinyl.

4. A compound according to Claim 1, wherein Xaa<sub>2</sub> is selected from the group consisting of

N-methylalanyl,

sarcosyl,

N-ethylglycyl,

```
N-methylnorvalyl,
                    N-methylprolyl,
                    β-alanyl,
                    4-aminobutyryl,
10
                    asparaginyl,
                    glutaminyl,
                    glutamyl,
                    glycyl,
                    prolyl,
15
                    seryl, and
                    threonyl.
     5.
                    A compound according to Claim 4, wherein Xaa2 is selected from the group
     consisting of
                    sarcosyl, and
                    N-methylprolyl.
 5
             A compound according to Claim 1, wherein Xaa3 is selected from the group
     6.
     consisting of
                    N-methylalanyl,
                    sarcosyl,
                    N-methylleucyl,
 5
                    N-methylphenylalanyl,
                    alanyl,
                    asparaginyl,
                    aspartyl,
                    glutaminyl,
10
                    glycyl,
                    leucyl,
                    norvalyl,
                    prolyl, and
15
                    phenylalanyl.
```

7. A compound according to Claim 6, wherein Xaa<sub>3</sub> is selected from the group consisting of

N-methylalanyl, and

15

20

25

30

8. A compound according to Claim 1, wherein Xaa4 is selected from the group consisting of

N-methylalanyl,

sarcosyl,

5 N-methylhomophenylalanyl,

N-methylisoleucyl,

N-methylleucyl,

N-methylnorvalyl,

N-methylphenylalanyl,

N-methyl-D-phenylalanyl,

N-methylseryl,

N-methyltyrosyl,

N-methylvalyl,

N-methyl-D-valyl,

3-[2-(5-bromothienyl)]alanyl,

3-(3-chlorophenyl)alanyl,

3-(4-chlorophenyl)alanyl,

3-(3-cyanophenyl)alanyl,

3-(3,4-dimethoxyphenyl)alanyl,

3-(3-fluorophenyl)alanyl,

3-(4-fluorophenyl)alanyl,

3-(4-methylphenyl)alanyl,

3-(naphth-1-yl)alanyl,

3-(naphth-2-yl)alanyl,

3-(3-pyridyl)alanyl,

3-(4-thiazolyl)alanyl,

3-(2-thienyl)alanyl,

alloisoleucyl,

allylglycyl,

2-aminobutyryl,

asparaginyl,

cyclohexylalanyl,

glutaminyl,

glycyl,

```
histidyl,
                    homophenylalanyl,
                    homoseryl,
                    isoleucyl,
                    leucyl,
40 -
                    lysyl(N-epsilon-acetyl),
                    methionyl,
                    methionyl(sulfone),
                    norornithyl,
                    norvalyl,
                    phenylalanyl,
45
                    phenylglycyl,
                    prolyl,
                    seryl,
                    seryl(O-benzyl),
50
                    styrylalanyl,
                    tryptyl,
                    tyrosyl, and
                    valyl.
     9.
             A compound according to Claim 8, wherein Xaa4 is selected from the group
     consisting of
                    N-methylalanyl,
                    N-methylisoleucyl,
5
                    N-methylleucyl,
                    N-methylnorvalyl,
                    N-methylphenylalanyl,
                    N-methyl-D-phenylalanyl,
                    N-methylvalyl,
10
                    N-methyl-D-valyl,
                    asparaginyl,
                    glutaminyl,
                    isoleucyl,
                    phenylalanyl, and
15
                    valyl.
```

10

15

## 10. A compound according to Claim 1, wherein Xaa<sub>5</sub> is selected from the group consisting of

N-methyl-D-homophenylalanyl,

N-methyl-D-isoleucyl,

N-methyl-D-leucyl,

D-3-(4-aminophenyl)alanyl,

D-3-(3-benzothienyl)alanyl,

D-(chlorophenyl)alanyl,

D-3-(3-cyanophenyl)alanyl,

D-3-(3,4-difluorophenyl)alanyl,

D-(3,4-dimethoxyphenyl)alanyl,

D-3-(4-methylphenyl)alanyl,

D-3-(naphth-1-yl)alanyl,

D-3-(naphth-2-yl)alanyl.

D-3-(4-nitrophenyl)alanyl,

D-3-(pentafluorophenyl)alanyl,

D-3-(3-trifluoromethylphenyl)alanyl,

D-(3,4,5-trifluorophenyl)alanyl,

D-alanyl,

20 alloisoleucyl,

D-alloisoleucyl,

D-2-aminobutyryl,

D-asparaginyl,

D-citrullyl,

D-cyclohexylalanyl,

cyclohexylglycyl,

D-cysteinyl(S-acetamidomethyl),

D-cysteinyl(S-t-butyl),

D-glutaminyl,

glycyl,

D-homophenylalanyl,

D-homoseryl,

isoleucyl,

D-isoleucyl,

35 D-leucyl,

D-lysyl(N-epsilon-nicotinyl),

```
D-lysyl,
                    D-methionyl,
                    D-norleucyl,
                    D-ornithyl,
40
                    D-penicillaminyl(S-acetamidomethyl),
                    D-penicillaminyl(S-benzyl),
                    D-penicillaminyl(S-methyl),
                    D-penicillaminyl,
                    D-phenylalanyl,
45
                    D-prolyl,
                    D-seryl(O-benzyl),
                    D-seryl,
                    D-t-butylglycyl,
50
                    D-(2-thienyl)alanyl,
                    D-threonyl(O-benzyl),
                    D-threonyl,
                    D-tryptyl,
                    D-tyrosyl(O-ethyl),
55
                    D-tyrosyl, and
                    D-valyl.
      11.
             A compound according to Claim 10, wherein Xaa<sub>5</sub> is selected from the group
     consisting of
                    N-methyl-D-leucyl,
                    D-alloisoleucyl,
 5
                    D-isoleucyl,
                    D-leucyl,
                    D-homophenylalanyl, and
                    D-penacillaminyl(S-methyl).
```

12. A compound according to Claim 1, wherein Xaa<sub>6</sub> is selected from the group consisting of

N-methylaspartyl, N-methylglutamyl, sarcosyl,

N-methylseryl,

N-methyltyrosyl, N-methylthreonyl, N-methylthreonyl(O-benzyl), alanyl, 10 3-(4-hydroxymethylphenyl)alanyl, 3-(naphth-2-yl)alanyl, 3-(3-pyridyl)alanyl, allothreonyl, 15 D-allothreonyl, allylglycyl, glutaminyl, glycyl, histidyl, 20 homoseryl, D-homoseryl, isoleucyl, methionyl, norvalyl, 25 octylglycyl, prolyl, seryl, D-seryl, threonyl, D-threonyl, 30 tryptyl, and tyrosyl.

13. A compound according to Claim 12, wherein Xaa<sub>6</sub> is selected from the group consisting of

N-methylaspartyl,
N-methylglutamyl,
sarcosyl,
N-methylseryl,
N-methyltyrosyl,
N-methylthreonyl,
N-methylthreonyl(O-benzyl),

30

allothreonyl, seryl, threonyl, and tyrosyl.

14. A compound according to Claim 1, wherein Xaa<sub>7</sub> is selected from the group consisting of

N-methylalanyl,

sarcosyl,

5 N-methylisoleucyl,

N-methylleucyl,

N-methyl-D-leucyl,

N-methylnorleucyl,

N-methylnorvalyl,

N-methylseryl,

N-methylthreonyl,

N-methylvalyl,

alanyl,

allylglycyl,

3-(4-amidophenyl)alanyl,

2-aminobutyryl,

arginyl,

asparaginyl,

cyclohexylalanyl,

20 glutaminyl,

D-glutaminyl,

glycyl,

homoalanyl,

homoseryl,

25 leucyl,

D-leucyl,

lysyl(N-epsilon-acetyl),

methionyl,

methionyl sulfone,

methionyl sulfoxide,

norleucyl,

10

15

5

```
norvalyl,
D-norvalyl,
octylglycyl,
seryl,
D-seryl,
tyrosyl, and
valyl.
```

15. A compound according to Claim 14, wherein Xaa<sub>7</sub> is selected from the group consisting of

N-methylalanyl, sarcosyl,
N-methylisoleucyl,
N-methylleucyl,
N-methyl-D-leucyl,
N-methylnorleucyl,
N-methylnorvalyl,
N-methylseryl,
N-methylseryl,
N-methylthreonyl,
N-methylvalyl,
norleucyl,
norvalyl, and
seryl.

16. A compound according to Claim 1, wherein Xaa<sub>8</sub> is selected from the group consisting of

N-methylalanyl,
N-methyl-D-alanyl,
N-methylisoleucyl,
N-methylleucyl,
3-(naphth-1-yl)alanyl,
alanyl,
allylglycyl,

```
10
                      glycyl,
                      isoleucyl,
                      D-isoleucyl,
                      leucyl,
                      D-lysyl(N-epsilon-acetyl),
                      methionyl,
15
                     norvalyl,
                     prolyl, and
                      valyl.
      17.
              A compound according to Claim 16, wherein Xaa<sub>8</sub> is selected from the group
      consisting of
                     N-methylalanyl,
                     N-methyl-D-alanyl,
 5
                     N-methylisoleucyl,
                     N-methylleucyl,
                     isoleucyl,
                     D-isoleucyl, and
                     D-lysyl(N-epsilon-acetyl).
10
      18.
             The compound according to Claim 1, wherein Xaa9 is selected from the group
     consisting of
                     N-methylarginyl,
                     [(4-amino-N-isopropyl)cyclohexyl]alanyl,
 5
                     3-(4-amino-N-isopropylphenyl)alanyl,
                     3-(4-guanidinophenyl)alanyl,
                     arginyl,
                     arginyl(N<sup>G</sup>N<sup>G</sup>'diethyl),
                     citrullyl,
10
                     2-[4-piperidinyl(N-amidino)]glycyl,
                     glutaminyl,
                     histidyl,
                     homoarginyl,
                     lysyl,
15
                     lysyl(N-epsilon-isopropyl),
                     lysyl(N-epsilon-nicotinyl),
```

```
norarginyl, ornithyl, ornithyl[N-delta-(2-imidazolinyl)], and ornithyl(N-delta-isopropyl).
```

19. A compound according to Claim 18, wherein Xaa<sub>9</sub> is selected from the group consisting of

arginyl, and N-methylarginyl.

5

5

10

15

5

20

20. A compound according to Claim 1, wherein Xaa<sub>10</sub> is selected from the group consisting of

N-methylalanyl,

sarcosyl,

N-methylhomoalanyl,

N-methylnorvalyl,

D-alanyl,

2-aminobutyryl,

2-aminoisobutyryl,

3,4-dehydroprolyl,

4-hydroxyprolyl,

phenylalanyl,

prolyl,

D-prolyl, and

1,2,3,4-tetrahydroisoquinoline-3-carbonyl.

21. A compound according to Claim 20, wherein Xaa<sub>10</sub> is selected from the group consisting of

N-methylalanyl,

sarcosyl,

N-methylnorvalyl, and

prolyl.

22. A compound according to Claim 1, wherein Xaa<sub>11</sub> is selected from the group consisting of

alanylamide,

5

D-alanylamide, D-alanylethylamide, 5 azaglycylamide, NH-cyclobutyl, NH-cycloheptyl, NH-1-(cyclohexyl)ethyl, NH-2-(cyclohexyl)ethyl, 10 NH-2-(ethoxy)ethyl, NH-ethyl, NH-glycyl, glycylethylamide, NH-hexyl, 15 NH-2-(hydroxy)ethyl, NH-isoamyl, NH-isobutyl, NH-2-(isopropoxy)ethyl, NH-isopropyl, 20 NH-2-(methoxy)ethyl, NH-3-(methoxy)propyl, N-methyl-D-alanylamide, NH-propyl, NH-2-(1-pyrrolidine)ethyl, and 25 serylamide.

23. A compound according to Claim 22, wherein Xaa<sub>11</sub> is selected from the group consisting of

NH-ethyl, and D-alanylamide.

24. A compound according to Claim 1, wherein

Xaa<sub>1</sub> is absent or is selected from the group consisting of acetyl,

N-methylprolyl, and succinyl;

	sarcosyl, and
10	N-methylprolyl;
	Xaa <sub>3</sub> is selected from the group consisting of
	N-methylalanyl, and
	glycyl;
15	
	Xaa4 is selected from the group consisting of
	N-methylalanyl,
	N-methylisoleucyl,
	N-methylleucyl,
20	N-methylnorvalyl,
	N-methylphenylalanyl,
	N-methyl-D-phenylalanyl,
	N-methylvalyl,
	N-methyl-D-valyl,
25	asparaginyl,
	glutaminyl,
	isoleucyl,
	phenylalanyl, and
	valyl;
30	
	Xaa <sub>5</sub> is selected from the group consisting of
	N-methyl-D-leucyl,
	D-alloisoleucyl,
	D-isoleucyl,
35	D-leucyl,
	D-homophenylalanyl, and
	D-penacillaminyl(S-methyl);
	Xaa <sub>6</sub> is selected from the group consisting of
40	N-methylaspartyl,
	N-methylglutamyl,
	sarcosyl,
	N-methylseryl,

Xaa2 is selected from the group consisting of

	N-methyltyrosyl,
45	N-methylthreonyl,
	N-methylthreonyl(O-benzyl),
	allothreonyl,
	seryl,
	threonyl, and
50	tyrosyl;
Х	Kaa <sub>7</sub> is selected from the group consisting of
	N-methylalanyl,
	sarcosyl,
55	N-methylisoleucyl,
	N-methylleucyl,
	N-methyl-D-leucyl,
	N-methylnorleucyl,
	N-methylnorvalyl,
60	N-methylseryl,
	N-methylthreonyl,
	N-methylvalyl,
	norleucyl,
	norvalyl, and
65	seryl;
3	Xaa <sub>8</sub> is selected from the group consisting of
	N-methylalanyl,
	N-methyl-D-alanyl,
70	N-methylisoleucyl,
	N-methylleucyl,
	isoleucyl,
	D-isoleucyl, and
	D-lysyl(N-epsilon-acetyl);
75	Were the selected from the group consisting of
	Xaa <sub>9</sub> is selected from the group consisting of
	arginyl, and
	N-methylarginyl;

Xaa<sub>10</sub> is selected from the group consisting of

N-methylalanyl,

sarcosyl,

N-methylnorvalyl, and

prolyl; and

85

Xaa11 is selected from the group consisting of

NH-ethyl, and

D-alanylamide.

25. A compound according to Claim 24 wherein Xaa<sub>1</sub> is selected from the group consisting of

acetyl, and

succinyl.

5

5

5

- 26. A compound according to Claim 24 wherein Xaa<sub>2</sub> is sarcosyl.
- 27. A compound according to Claim 24 wherein Xaa4 is selected from the group consisting of

N-methylleucyl,

N-methylnorvalyl,

N-methylphenylalanyl,

N-methyl-D-phenylalanyl, and

valyl.

28. A compound according to Claim 24 wherein Xaa<sub>5</sub> is selected from the group consisting of

N-methyl-D-leucyl,

D-alloisoleucyl,

D-isoleucyl, and

D-leucyl;

29. A compound according to Claim 24 wherein Xaa<sub>6</sub> is selected from the group consisting of

sarcosyl,

N-methylseryl,

5

5

5

N-methyltyrosyl, allothreonyl, seryl, and threonyl.

30. A compound according to Claim 24 wherein Xaa<sub>7</sub> is selected from the group consisting of

N-methylalanyl, N-methylnorvalyl, N-methylvalyl, and norvalyl.

31. A compound according to Claim 24 wherein Xaa<sub>8</sub> is selected from the group consisting of

N-methylleucyl, and isoleucyl.

32. A compound according to Claim 24 wherein Xaa<sub>9</sub> is arginyl.

33. A compound according to Claim 24 wherein Xaa<sub>10</sub> is selected from the group consisting of

N-methylalanyl, and prolyl.

34. A pharmaceutical composition comprising a compound of Claim 1 and a pharmaceutically acceptable carrier.

- 35. A method of treating a patient in need of anti-angiogenesis therapy comprising administering to the patient in need a therapeutically effective amount of a compound of Claim 1.
- 36. A composition for the treatment of a disease selected from cancer, arthritis, psoriasis, angiogenesis of the eye associated with infection or surgical intervention, macular degeneration and diabetic retinopathy comprising a compound of Claim 1 in combination with a pharmaceutically acceptable carrier.

5

- 37. A method of isolating a receptor from an endothelial cell comprising binding compound of Claim 1 to the receptor to form a peptide receptor complex; isolating the peptide receptor complex; and purifying the receptor.
- 38. A compound, or a pharmaceutically acceptable salt thereof, selected from the group consisting of

N-Ac-Sar-Gly-Val-D-Ile-Thr-Nva-Ile-Arg-SarNH-ethyl,

N-Succinyl-Sar-Gly-Val-D-Leu-Thr-NMeNva-Ile-Arg-ProNH-ethyl,

- 5 N-Ac-Sar-Gly-Val-D-Ile-Thr-Nva-Ile-NMeArg-ProNH-ethyl, N-Ac-Sar-Gly-NMeVal-D-Ile-Thr-Nva-Ile-Arg-ProNH-ethyl, N-Ac-Sar-Gly-NMeIle-D-Ile-Thr-Nva-Ile-Arg-ProNH-ethyl, N-Ac-Sar-Gly-NMeAla-D-Ile-Thr-Nva-Ile-Arg-ProNH-ethyl,
  - N-MePro-Sar-Gly-Val-D-Ile-Thr-Nva-Ile-Arg-ProNH-ethyl,
- 10 N-Ac-Sar-Gly-Val-D-Ile-NMeThr(Bzl)-Nva-Ile-Arg-ProNH-ethyl,
  - N-Ac-Sar-Gly-Val-D-Ile-Thr-Sar-Ile-Arg-ProNH-ethyl,
  - N-Ac-Sar-Gly-Val-D-Ile-Thr-NMeLeu-Ile-Arg-ProNH-ethyl,
  - N-Ac-Sar-Gly-Val-D-allolle-Thr-NMeVal-Ile-Arg-ProNH-ethyl,
  - N-Ac-Sar-Gly-Val-D-Ile-Thr-NMeVal-Ile-Arg-Pro-D-AlaNH,
- 15 N-Ac-Sar-Gly-Val-D-Ile-NMeThr-Nva-Ile-Arg-ProNH-ethyl,
  - N-Ac-Sar-Gly-Val-D-alloIle-Thr-NMeSer-Ile-Arg-Pro-D-AlaNH2,
  - N-Ac-Sar-Gly-Phe-D-Ile-Thr-NMeVal-Ile-Arg-Pro-D-AlaNH<sub>2</sub>,
  - N-Ac-Sar-Gly-Val-D-alloIle-Tyr-NMeNva-Ile-Arg-ProNH-ethyl,
  - N-Ac-Sar-Gly-Val-D-allolle-Tyr-NMeVal-Ile-Arg-ProNH-ethyl,
- 20 N-Ac-Sar-Gly-Gln-D-Ile-Thr-NMeNva-Ile-Arg-Pro-D-AlaNH,
  - N-Ac-Sar-Gly-Val-D-alloIle-NMeThr-Nva-Ile-Arg-ProNH-ethyl,
  - N-Ac-Sar-Gly-Val-D-Ile-Thr-NMeSer-Ile-Arg-Pro-D-AlaNH,
  - N-Ac-Sar-Gly-NMeVal-D-Ile-Thr-Nva-Ile-Arg-Pro-D-AlaNH,
  - N-Ac-Sar-Gly-NMeVal-D-allolle-Thr-Nva-Ile-Arg-ProNH-ethyl,
- 25 N-Ac-Sar-Gly-Val-D-Hphe-Thr-NMeNva-Ile-Arg-ProNH-ethyl,
  - N-Ac-Sar-Gly-Val-D-Hphe-Thr-NMeVal-Ile-Arg-ProNH-ethyl,
  - N-Ac-Sar-Gly-Val-D-Pen(SMe)-Thr-NMeNva-Ile-Arg-ProNH-ethyl,
  - N-Ac-Sar-Gly-Val-D-Pen(SMe)-Thr-NMeVal-Ile-Arg-ProNH-ethyl,
  - NAc-Sar-Gly-Val-D-Ile-Thr-Nva-Ile-Arg-NMeNvaNH-ethyl,
- 30 NAc-Sar-Gly-Val-NMe-D-Leu-Ser-Nva-Ile-Arg-ProNH-ethyl,
  - NAc-Sar-Gly-Asn-NMe-D-Leu-Ser-Nva-Ile-Arg-ProNH-ethyl,
  - NAc-Sar-Gly-Asn-D-Leu-NMeSer-Nva-Ile-Arg-ProNH-ethyl,

- NAc-Sar-Gly-Val-D-alloIle-NMeSer-Nva-Ile-Arg-ProNH-ethyl,
- NAc-Sar-Gly-Val-D-Ile-Thr-NMeNle-Ile-Arg-ProNH-ethyl,
- 35 NAc-Sar-Gly-Val-D-Ile-Sar-Nva-Ile-Arg-ProNH-ethyl,
  - NAc-Sar-Gly-Val-D-alloIle-Sar-Nva-Ile-Arg-ProNH-ethyl,
  - NAc-Sar-Gly-Val-D-Ile-Thr-Nva-NMeAla-Arg-ProNH-ethyl,
  - NAc-Sar-Gly-Val-D-Ile-NMeAsp-Nva-Ile-Arg-ProNH-ethyl,
  - NAc-Sar-Gly-Val-D-Ile-Thr-NMe-D-Leu-Ile-Arg-ProNH-ethyl,
- 40 NAc-Sar-Gly-Val-D-Ile-NMeGlu-Nva-Ile-Arg-ProNH-ethyl,
  - NAc-Sar-Gly-NMe-D-Val-D-Ile-Thr-Nva-Ile-Arg-ProNH-ethyl,
  - NAc-Sar-Gly-NMe-D-Phe-D-Ile-Thr-Nva-Ile-Arg-Pro-D-AlaNH,
  - NAc-Sar-Gly-Val-D-Ile-Thr-Nva-NMeLeu-Arg-ProNH-ethyl,
  - NAc-Sar-Gly-Asn-D-Leu-NMeSer-Nva-Ile-Arg-ProNH-ethyl,
- 45 NAc-Sar-Gly-Val-D-alloIle-NMeSer-Ser-Ile-Arg-ProNH-ethyl,
  - NAc-Sar-Gly-Val-D-Ile-Thr-Nva-NMe-D-Ala-Arg-ProNH-ethyl,
  - NAc-Sar-Gly-Val-D-Ile-Thr-NMeNva-D-Ile-Arg-ProNH-ethyl,
  - NAc-Sar-Gly-Val-D-Ile-alloThr-NMeNva-Ile-Arg-ProNH-ethyl,
  - NAc-Sar-Gly-Gln-D-Ile-Thr-NMeNva-D-Ile-Arg-ProNH-ethyl,
- 50 NAc-Sar-Gly-Gln-D-allolle-NMeTyr-Nva-Ile-Arg-ProNH-ethyl,
  - NAc-Sar-Gly-Gln-D-alloIle-NMeTyr-Nva-D-Ile-Arg-ProNH-ethyl,
  - NAc-Sar-Gly-Phe-D-Ile-Thr-NMeNva-Ile-Arg-Pro-D-AlaNH2, and
  - NMePro-Gly-Ile-D-Ile-Thr-NMeNva-Ile-Arg-ProNH-ethyl.
  - 39. A compound or a pharmaceutically acceptable salt thereof, selected from the group consisting of
  - N-Ac-Sar-Gly-Val-D-Ile-Thr-NMeNva-Ile-Arg-ProNH-ethyl,
  - N-Ac-Sar-Gly-Val-D-Ile-Thr-Nva-NMeIle-Arg-ProNH-ethyl,
  - 5 N-Ac-Sar-Gly-Val-D-Ile-Thr-NMeAla-Ile-Arg-ProNH-ethyl,
    - N-Ac-Sar-Gly-Val-D-Ile-Thr-NMeVal-Ile-Arg-ProNH-ethyl,
    - N-Ac-Sar-Gly-Val-D-Ile-Thr-Nva-Ile-Arg-NMeAlaNH-ethyl,
    - N-Succinyl-Sar-Gly-Val-D-Ile-Thr-NMeNva-Ile-Arg-ProNH-ethyl,
    - N-Ac-Sar-NMeAla-Val-D-Ile-Thr-Nva-Ile-Arg-ProNH-ethyl,
- 10 N-Ac-Sar-Gly-NMePhe-D-Ile-Thr-Nva-Ile-Arg-ProNH-ethyl,
  - N-Ac-Sar-Gly-NMeNva-D-Ile-Thr-Nva-Ile-Arg-ProNH-ethyl,
  - N-Ac-Sar-Gly-Val-D-Leu-Sar-Nva-Ile-Arg-ProNH-ethyl,
  - N-Ac-Sar-Gly-NMeLeu-D-Ile-Thr-Nva-Ile-Arg-ProNH-ethyl,
  - N-Ac-Sar-Gly-Val-D-allolle-Thr-NMeNva-Ile-Arg-ProNH-ethyl,

- N-Ac-Sar-Gly-Val-D-Ile-Thr-NMeNva-Ile-Arg-Pro-D-AlaNH,
  N-Ac-Sar-Gly-Val-D-Ile-NMeSer-Nva-Ile-Arg-ProNH-ethyl,
  N-Ac-Sar-Gly-Val-D-Leu-NMeSer-Nva-Ile-Arg-ProNH-ethyl,
  N-Ac-Sar-Gly-Val-D-Leu-Ser-NMeNva-Ile-Arg-ProNH-ethyl,
  N-Ac-Sar-Gly-Val-D-alloIle-Ser-NMeSer-Ile-Arg-ProNH-ethyl,
- N-Ac-Sar-Gly-Val-D-allolle-Thr-NMeSer-Ile-Arg-ProNH-ethyl, N-Ac-Sar-Gly-Val-D-Ile-Thr-NMeSer-Ile-Arg-ProNH-ethyl, N-Ac-Sar-Gly-Val-D-allolle-NMeSer-Ser-Ile-Arg-ProNH-ethyl, NAc-Sar-Gly-Val-NMe-D-Leu-Thr-Nva-Ile-Arg-ProNH-ethyl, NAc-Sar-Gly-NMeNva-D-allolle-Thr-Nva-Ile-Arg-ProNH-ethyl,
- NAc-Sar-Gly-NMePhe-D-Ile-Thr-Nva-Ile-Arg-Pro-D-AlaNH,
  NAc-Sar-Gly-Val-D-Ile-alloThr-NMeNle-Ile-Arg-ProNH-ethyl,
  NAc-Sar-Gly-NMe-DPhe-D-Ile-Thr-Nva-Ile-Arg-ProNH-ethyl,
  NAc-Sar-Gly-Val-D-alloIle-Ser-NMeSer-Ile-Arg-Pro-D-AlaNH,
  NAc-Sar-Gly-Val-D-alloIle-NMeTyr-Nva-Ile-Arg-ProNH-ethyl, and
  NAc-Sar-Gly-Val-D-Ile-Thr-NMeNva-DLys(Ac)-Arg-ProNH-ethyl.